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FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON, D.C. 20554

24 MAR 1993

Docket-222  
POLICY & PLANNING  
BRANCH ROOM 5202

IN REPLY REFER TO:

7330-7/L700A2  
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APR 13 1993

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

Honorable William V. Roth, Jr.  
United States Senate  
104 Hart Senate Office Building  
Washington, D.C. 20510

Dear Senator Roth:

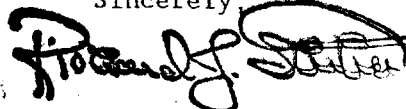
This is in reply to your letter of February 23, 1993, in which you inquired on behalf of several of your constituents regarding the Notice of Proposed Rule Making (Notice) in PR Docket No. 92-235, 57 FR 54034 (1992). This Notice proposes comprehensive changes to the Commission's Rules governing the private land mobile radio services operating in the frequency bands below 512 MHz.

Your constituents are specifically concerned about the impact of these changes on radio control (R/C) hobby users. Enclosed is a discussion paper concerning our proposals for the 72-76 MHz band. In short, we expect there would be no adverse impact on R/C operations because of any proposal contained in the Notice.

We are, of course, sensitive to the concerns of both users of private land mobile radio spectrum and R/C hobbyists. We will, therefore, take your constituents' concerns into account when we develop final rules in this proceeding. As indicated in the Notice, we remain convinced that without significant regulatory change in radio operations in the bands below 512 MHz, the quality of communications in the private land mobile radio services will continue to deteriorate to the point of endangering public safety and the national economy.

We want to thank you for your interest in this proceeding. Your constituents' letters will be included in the record of the proceeding. We expect final rules to be issued in 1994.

Sincerely,



Richard J. Shiben  
Chief, Land Mobile & Microwave Division  
Private Radio Bureau

Enclosures

cc:

CNTL NO - 9301073

Chief, PR Bureau  
Chief, LM&M Division  
Docket Files, Room 222  
P&P Branch File (Pink)

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# Congressional

PLEASE MAKE 2 EXTRA COPIES OF INCOMING, ATTACHMENTS,  
AND REPLY FOR DOCKET FILE, ROOM 222.

CONGRESSIONAL CORRESPONDENCE TRACKING SYSTEM  
03/05/93

## LETTER REPORT

CONTROL NO.	DATE RECEIVED	DATE OF CORRESP	DATE DUE	DATE DUE OLA(857)
9301073	03/05/93	02/23/93	03/25/93	

TITLE	MEMBERS NAME	REPLY FOR SIG OF
Senator	William Roth Jr	BC

CONSTITUENT'S NAME	SUBJECT
several	inq. comments on PR Docket 92-235

REF TO	REF TO	REF TO	REF TO
PRB /KM 3-9-93			
DATE	DATE	DATE	DATE
03/05/93	3/9/93		

REMARKS:

WILLIAM V. ROTH, JR.  
DELAWARE

104 HART SENATE OFFICE BUILDING  
TELEPHONE: 202-224-2441

United States Senate

WASHINGTON, DC, 20510

PRB  
92-235  
1073

COMMITTEES:  
GOVERNMENTAL AFFAIRS  
FINANCE  
BANKING, HOUSING AND URBAN AFFAIRS  
JOINT ECONOMIC COMMITTEE

February 23, 1993

The Honorable James H. Quello, Chairman  
Federal Communications Commission  
Office of Legislative Affairs Room 808  
1919 M Street N.W.  
Washington, D.C. 20554

Dear Chairman Quello:

I am writing to share with you the views of my constituents on a proposed FCC rulemaking regarding the radio frequency used by operators of model aircrafts.

Many Delawareans have contacted me to express their opposition to changes that would limit their use of the radio frequencies in the 72-76 MHz band. To ensure that their concerns are included in the record on this rulemaking, enclosed are copies of the correspondence I have received.

Thank you for your attention to this matter.

Sincerely,



William V. Roth, Jr.  
United States Senate

WVR/mdf

Enclosures

WILLIAM E. JORDAN  
2422 WEST PARRIS DRIVE  
WILMINGTON, DELAWARE 19808  
302 994-0239  
January 29, 1993

The Honorable William Roth  
United States Senate  
Washington, D.C. 20510

Dear Senator Roth:

RE: PR Docket 92-235

My hobby is building and flying radio controlled model airplanes. I am 61 years old and have been keenly interested in airplanes and aviation as long as I can remember. Some of my favorite planes were the fighters of WW II.

Radio controlled airplanes operate on frequencies in the 72-76 MHz band. This band is used primarily for private land dispatch operations. However, our airplane frequencies are far enough apart from the mobile frequencies that we do not interfere with one another.

The FCC now wants to re-arrange these frequencies, as per the above mentioned document. If this plan is adopted, airplane and other radio controlled model frequencies (boats and surface vehicles) would be severely restricted by increased numbers of mobile frequencies. This would cause overlap and interference on all frequencies.

The most important consideration in this situation is one of safety. Please understand that model airplanes can have wing spans of 10 feet or more. Some model sailplanes (gliders), for example, can span over 20 feet. They are not toys. These large planes will weigh 40 to 60 pounds. If the pilot loses control while flying one of these (or even smaller ones, for that matter), they are capable of causing property damage, personal injury, or, God forbid, even death.

Model airplane flyers go to great lengths to assure the safety of bystanders, operators, and the protection of property. If these proposed changes take effect, safe operation of radio controlled aircraft would be severely jeopardized.

I respectfully request you adopt a position opposing PR-Docket 92-235.

Thank you for any consideration given this matter.

Sincerely,

*William E. Jordan*  
William E. Jordan

Richard G. West  
RD3 Box 489E  
Felton, DE 19943

1/29/93

The Honorable William V. Roth Jr.  
104 Hart Senate Office Building  
Washington, DC 20510

ACD 247

Dear Senator Roth,

I am a father of two who has enjoyed building and flying model airplanes since I was a child. My children are now old enough to begin enjoying the hobby and I have incorporated models into Boy Scout activities.

**I am strongly opposed to FCC PR Docket 92-235 regarding the 72 - 76 MHz band.**

The proposed changes in PR Docket 92-235 would effectively eliminate the use of all but 19 of the 50 frequencies now available for model airplanes. This is because the inserted frequencies use transmitters that have four times the power of ours, are mobile so we can not avoid them, and the legal frequency tolerances could actually put their signal on top of ours.

Model hobbyist like myself have hundreds of dollars invested in the models and equipment we use. The changes would result in replacing much of this equipment. No one that I know will want to risk losing a plane that costs hundreds of dollars and has taken months to build.

Safety is also a primary concern. Many of the models have wing spans of up to 10 feet, weigh as much as 40 pounds, and travel at speeds in the 100 mph range. Losing control of even smaller models could result in great property damage, injury to spectators, or even death! The proposed changes in the frequencies would greatly increase the risk of loss of control of a plane, especially at competitive meets where hundreds of operators participate. Currently safety is maintained by frequent education and strict frequency control.

Just as I enjoyed model airplanes as a child, it is vital to the future of our children and this country that we provide good, clean, and even educational forms of recreation. Supporting model airplane construction and flying is one of the things that we can do to help keep kids away from drugs and gangs. **Please help by not allowing the FCC to change the 72 - 76 MHz band.**

Thank you.

Sincerely,

Richard G. West

Charles R. Coverdale  
602 Meadowbrook Lane

to 10 feet and weigh as much as 30 or 40 pounds. The models themselves are EXPENSIVE to build; but more to the point, they are capable of causing property damage, serious injury, even death if radio interference causes the operator to lose control of the craft. We often fly our models at organized events and contests where hundreds of operators participate. We need the use of our full complement of radio frequencies in order to assure a safe flying environment.

I do not think it is wise of the FCC to seek to improve the operating conditions of land mobile radio users at the expense of radio control modelers. The FCC may not think we are as important as business users of radios, but we have considerable investment in our models and in our radio equipment. The hobby provides many hours of enjoyment to thousands of people like myself and contributes to the advancement and development of the commercial aviation industry.

Please help me continue the safe enjoyment of my pastime by not allowing the FCC to carry out its proposals for the 72 -76 MHz band.

Sincerely

*Charles R. Coverdale*

Charles R. Coverdale

2 Tenby Chase Drive  
Newark, Delaware 19711  
January 28, 1993

The Honorable William Roth  
United States Senate  
Washington, DC 20510

AIR 966

Dear Senator:

Re: PR Docket 92-235

I am writing you to express concern about this proposal by the FCC, which would involve assigning additional radio frequencies for mobile communications. This proposal, if executed, would allow use of mobile transmitters at frequencies so close to some of those now assigned for use by radio controlled model airplanes as to cause interference.

As an example, I understand that one of the proposed new frequencies would be 72.0725 MHz. One of the existing frequencies used for model airplanes is 72.070 MHz. Given the tolerances allowed for performance of radio equipment, there can be an overlap between these two frequencies, so that a model in the air could go out of control and crash if a mobile transmitter is operated in the area with such a small frequency difference. (The mobile transmitters could operate at four times the power output permitted for model airplane transmitters.)

These models weigh typically from 3 pounds to 20 pounds or more, and fly at speeds up to 100 mph, so the impact of an uncontrolled crash can cause significant property damage, and can inflict severe, if not fatal injury if the plane strikes a person when it crashes.

There are thirty other frequencies besides the one listed above, which are assigned for model airplane use and which would be affected by the proposal cited.

I am a model plane enthusiast myself, and being retired I fly two or three times a week if weather permits. I know of three clubs in New Castle County dedicated to radio controlled model airplanes, with membership totalling in the hundreds. Many individuals have thousands of dollars invested in their models. Nationwide, there are tens of thousands of modellers. I do not wish to see a sport so thoroughly enjoyed by so many being as severely impacted as I visualize it to be if this rule change is executed by the FCC.



I can appreciate the pressures which the FCC must feel to expand mobile communications frequencies, but I do not see that we should ruin already established frequencies by crowding in new ones so close to those existing.

Therefore, I respectfully request your assistance in opposing PP Docket 82-225

PG. #1

Lewis, Dr.  
1-25-93

The Honorable Bill Roth  
United States Senate  
Washington, D.C. 20510

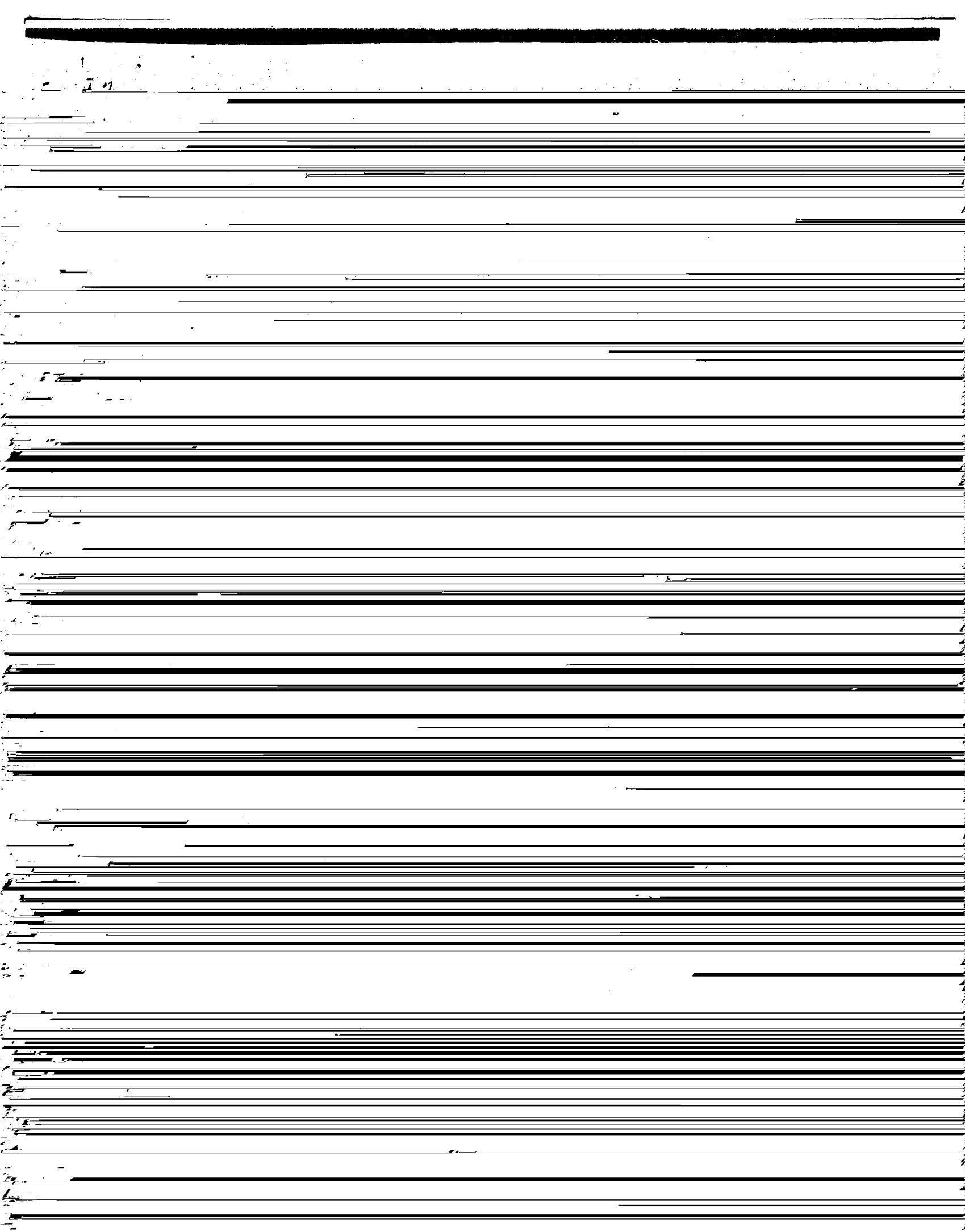
ACD248

Dear Senator Roth;

As President of the Lewis Radio Control Model Airplane Club (40+ Members) I am writing this letter to strongly disapprove of the Federal Communications Commissions P.R. Docket 92-235.

We are very concerned about proposed rules that are currently under consideration by the Federal Communications Commission (FCC). The proceeding is P.R. Docket 92-235. If adopted, the new rules will greatly reduce the usability of Frequencies currently assigned for Model use and increase the risk of accidents and attendant liability for controlling Model Airplanes.

Our Radio control frequencies are in the



Pg. # 3

use of our full complement of Radio Frequencies in order to assure safe flying environment.

I do not think it is wise of the FCC to seek to improve the land mobile radio users at this time as

Thomas C. Hoenen  
341 Chestnut St.  
Lewes, DE 19958

The Honorable Bill Roth  
United States Senate  
Washington, D.C. 20510

ACD 315

~~I am an avid enthusiast of radio control miniature airplanes~~

Dear Senator Roth,

J. W. and A. L. Mattheisz  
P.O. Box 458  
Ocean View, DE 19970

Please do not let the FCC carry out its proposals  
before someone gets hurt or killed.

1-29-93

AP55312

I am very concerned about proposed rules that are currently under consideration by the Federal Communications Commission (FCC). The proceeding is PR Docket 92-235. If adopted, the new rules will greatly reduce the usability of frequencies currently assigned for model use and increase the risk of accidents and attendant liability for controlling model airplanes.

Our radio control frequencies are in the 72 - 76 MHz band. This band is primarily used for private land mobile dispatch operations. However, our radio control frequencies in this band are far enough apart from the land mobile frequencies that we have been able to share the band without either use interfering with the other.

Now the FCC wants to create more land mobile frequencies by splitting them into narrower bandwidths and rearranging the band plan. As a result, many land mobile frequencies will move closer to the radio control frequencies and cause interference to radio control operations. I am told that of the 50 frequencies that are presently available for radio control of model airplanes, only 19 frequencies will be left if these new rules are adopted.

When we fly our model airplanes under radio control, we go to great lengths to assure the safety of the operators and bystanders and the protection of property. Many of our safety precautions involve the careful coordination and use of the radio control frequencies. If the number of usable frequencies is diminished as proposed by the FCC, the remaining frequencies will become congested and the margin of safety will be greatly decreased.

Please understand that many model airplanes have wing spans up to 10 feet and weigh as much as 30 or 40 pounds. The models themselves are expensive to build; but more to the point, they are capable of causing property damage, serious injury, or even death if radio interference causes the operator to lose control of the craft. We often fly our models at organized events and contests where hundreds of operators participate. We need the use of our full complement of radio frequencies in order to assure a safe flying environment.

I do not think it is wise of the FCC to seek to improve the operating conditions of land mobile radio users at the expense of radio control modelers. The FCC may not think we are as important as business users of radios, but we have a considerable investment in our models and in our radio equipment. The hobby provides many hours of enjoyment to thousands of people like myself and contributes to the advancement and development of the commercial aviation industry.

Please help me continue the safe enjoyment of my pastime by not allowing the FCC to carry out its proposals for the 72-76 MHz band.

Sincerely,

John A. Mattheisz

January 2, 1993

Senator William V. Roth, Jr.  
United States Senate  
Washington, D.C. 20510

AAV727

Subject: Federal Communications Commission 92 Docket 92-235.

Dear Senator Roth,

I am very concerned about the rules currently under consideration by the FCC in Docket 92-235. If implemented they

FEBRUARY 6, 1993

THE HONORABLE WILLIAM ROTH  
UNITED STATES SENATE  
WASHINGTON, D.C. 20510

DEAR SENATOR ROTH,

MY LIFETIME HAS BEEN CENTERED AROUND ELECTRONICS, WORKING AS A BROADCAST ENGINEER FOR OVER 45 YEARS, LICENSED AS A HAM RADIO OPERATOR WITH THE TOP RATING OF "EXTRA CLASS" AND MY MAIN HOBBY OF BUILDING AND FLYING RADIO CONTROLLED MODEL AIRPLANES. THE KNOWLEDGE AND ENJOYMENT BOTH MY SON AND I HAVE DERIVED FROM THIS HOBBY IS UNMEASURABLE.

NOW THE F.C.C. IS PROPOSING NEW RULES (PR DOCKET 92-235) THAT WILL GREATLY REDUCE THE USABILITY OF THE CHANNELS ASSIGNED TO US THE MODEL BUILDERS.

MY MANY YEARS IN MODELING, HAS INGRAINED THE THOUGHT OF SAFETY IN THE OPERATION OF MY AIRCRAFT. AS AN OFFICER IN MY LOCAL CLUB AND MORE RECENTLY AS AN OFFICER OF OUR NATIONAL ORGANIZATION, THE ACADEMY OF MODEL AERONAUTICS, SAFETY HAS BEEN ONE OF THE THEMES I PURSUE.

IF THE NEW RULES THE F.C.C. PROPOSE, ARE ENACTED, THERE WILL BE RADIOS TEN TIMES MORE POWERFUL THAN OUR TRANSMITTERS ALLOWED TO OPERATE SO CLOSE IN FREQUENCY THAT OUR OPERATION WILL BE IN JEOPARDY. SINCE THESE NEW TRANSMITTERS WILL BE MOBILE UNITS, WE WILL NOT KNOW WHEN OUR AIRCRAFT ARE IN DANGER UNTIL IT IS TOO LATE. PERSONAL INJURY AND PROPERTY DESTRUCTION WILL BE THE RESULT OF THIS UNSAFE CONDITION.

THE F.C.C. MAY NOT THINK WE ARE AS IMPORTANT AS BUSINESS USERS OF MOBILE RADIOS, BUT WE HAVE CONSIDERABLE INVESTMENT IN RADIO EQUIPMENT, MODEL AIRCRAFT AND TIME.

THE HOBBY PROVIDES MANY HOURS OF ENJOYMENT TO THOUSANDS OF PEOPLE LIKE MYSELF. IT CONTRIBUTES TO THE ADVANCEMENT AND DEVELOPMENT OF COMMERCIAL AVIATION. MANY PILOTS AND ASTRONAUTS BEGAN THEIR CAREERS IN MODELING.

PLEASE HELP US BY NOT ALLOWING THE F.C.C. TO CARRY OUT ITS PROPOSALS FOR THE 72-76 MHZ. BAND.

THANK YOU.

YOURS TRULY,

*George A. Moyer*

GEORGE A. MOYER  
11 ORCHARD LANE  
WILMINGTON, DE. 19809



February 6, 1993

The Honorable William Roth  
United States Senate  
Washington, D.C 20510

Dear Senator Roth:

I have been interested in aviation for as long as I can remember. I am very active in a club whose members enjoy constructing and operating radio controlled model airplanes.

I am very concerned about proposed rules that are currently under consideration by the Federal Communications Commission (FCC). The proceeding is PR Docket 92-235. If accepted, the new rules will greatly reduce the usability of frequencies currently assigned for model use and increase the risk of accidents and attendant liability for controlling model airplanes.

Our radio control frequencies are in the 72 - 76 MHz band. This band is primarily used for private land mobile dispatch operations. However, our radio control frequencies in this band are far enough apart from the land mobile frequencies that we have been able to share the band without either use interfering with the other.

Now the FCC wants to create more land mobile frequencies by splitting them into narrower bandwidths and rearranging the band plan. As a result, many land mobile frequencies will move closer to the radio control frequencies and cause interference to radio control operations. I am told that of the 50 frequencies that are presently available for radio control of model airplanes, only 19 frequencies will be left if these new rules are adopted.

When we fly our model airplanes under radio control, we go to great lengths to assure the safety of the operators and bystanders and the protection of property. Many of our safety precautions involve the careful coordination and use of the radio control frequencies. If the number of usable frequencies is diminished as proposed by the FCC, the remaining frequencies will become congested, and the margin of safety will be greatly decreased.

I do not think it is wise of the FCC to seek to improve the operating conditions of land mobile radio users at the expense of radio control modelers. The FCC may not think we are as important as business users of radios, but we have a considerable investment in our models and in our radio equipment. The hobby provides many hours of enjoyment to thousands of people like myself and contributes to the advancement and development of the commercial aviation industry.

Signature

February 6, 1993  
The Honorable William Roth  
United States Senate  
Washington, D.C 20515

Dear Senator Roth:

I have been a builder of model airplanes since the early 40's, and have flown radio control models since the early 50's. I find this to be a facinating hobby and have invested thousands of dollars in pursuit of this pastime. It is a major source of pleasure for me in my liesure hours. I am president of a small but active club that flies radio controlled sailplanes.

I am very concerned about proposed rules that are currently under consideration by the Federal Communications Commission (FCC). The proceeding is PR Docket 92-235. If accepted, the new rules will greatly reduce the usability of frequencies currently assigned for model use and increase the risk of accidents and attendant liability for controlling model airplanes.

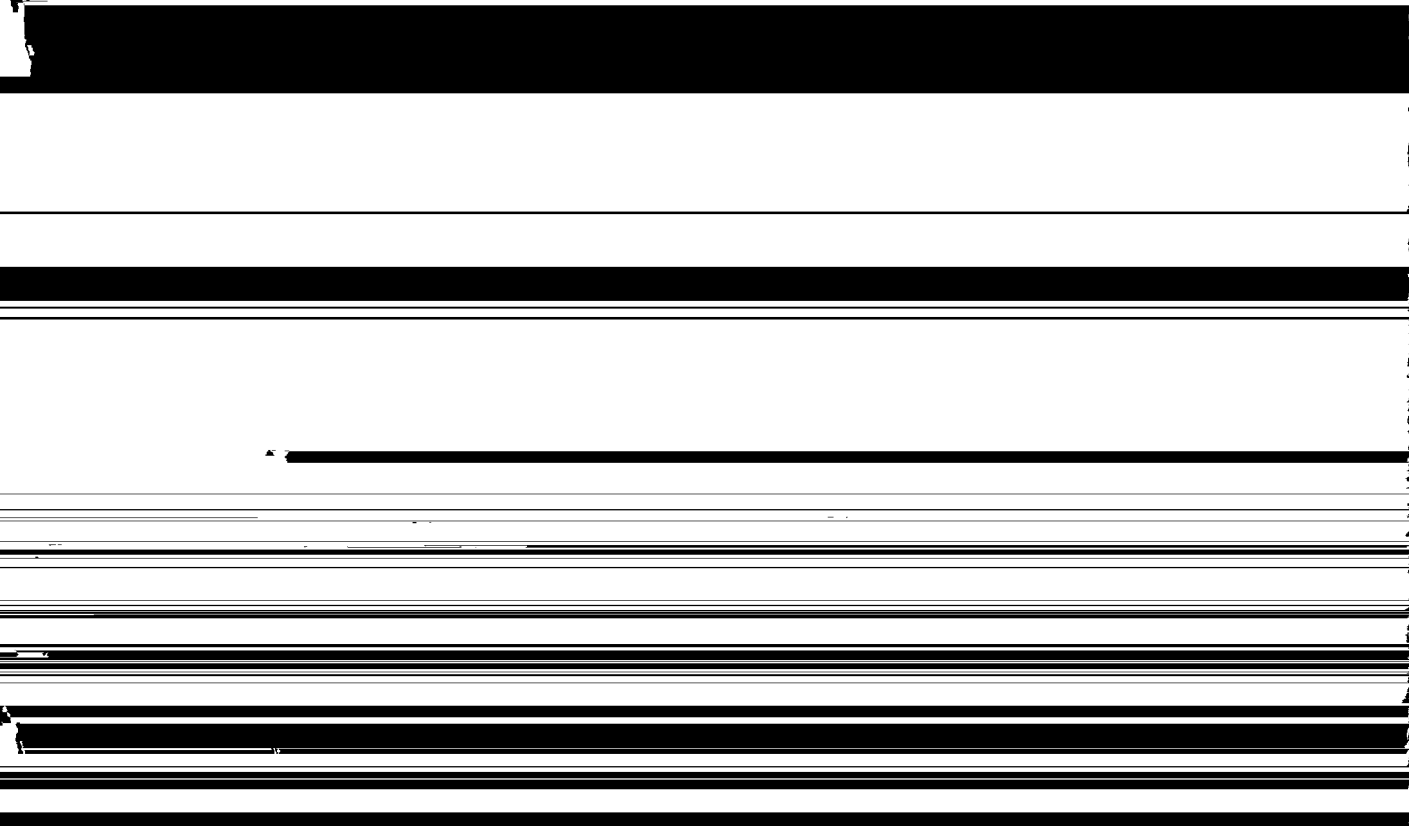
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Please understand that many model airplanes have wing spans up to 10 feet and weigh as much as 30 or 40 pounds. The models themselves are expensive to build; but more to the point, they are capable of causing property damage, serious injury, or even death if radio interference causes the operator to lose control of the craft. We often fly our models at organized events and contests where hundreds of operators participate. We need the use of our full complement of radio frequencies in order to assure a safe flying environment.

I do not think it is wise of the FCC to seek to improve the operating conditions of land mobile radio users at the



James A. Hillis, Jr. M.D.  
United States Senate  
Washington, D.C. 20540  
Dear Sir:

AC D502

PLEASE VOTE NO ON PR DOCKET 92-235.

This docket which proposes new frequencies within our 72 MHz radio-control model aircraft bands, would make our frequencies useless.

As a retired Air Force pilot, with many combat missions to my credit, I plead with you to vote no on this. One of the

every day on our routes. Our equipment is expensive  
and we take great care when flying our models which  
weigh from mere ounces to 50+ lbs. The current  
radio frequency spacing allows us to operate safely even  
though the FCC inserted paging channels between our

frequencies. The proposed rule changes would insert four mobile radio frequencies between our frequencies. Our receivers, which are narrow-band state-of-the-art would not be able to completely reject the more powerful mobile signals adjacent to it. If this happens on a cellular phone call you would just hear someone else "on the line". In our case, the airplane (the 10,20,30 MHz airplane) would go out of control and could cause serious property and personal damage, even death. Why are the commercial users going after our frequencies were just "modelers", were easily brushed aside by their well-paid lawyers and technical staffs. Why doesn't the FCC look at less used portions of the frequency spectrum? There are huge VHF bands that have little usage. Our 72 & 75 MHz bands are already some of the most crowded. This rule change will effectively kill this hobby for many thousands of people who cannot afford to replace expensive radio equipment.

related career (DWT KUTAN was an active member in his youth). Our activities benefit the local Civil Air Patrol squadron. We appeal for your assistance in this matter close to our heart. Please use your influence to help us tell the FCC "No".

Thank you, sincerely,

10/23/23

Donna Jessie  
123 N. Pyle Ave.  
Wilmington, DE 19805

February 6, 1993

The Honorable William Roth  
United States Senate  
Washington, D.C 20510

Dear Senator Roth:

I have been interested in aviation for as long as I can remember. I am



Please understand that many model airplanes have wing spans up to 10 feet and weigh as much as 30 or 40 pounds. The models themselves are expensive to build; but more to the point, they are capable of causing property damage, serious injury, or even death if radio interference causes the operator to lose control of the craft. We often fly our models at organized events and contests where hundreds of operators participate. We need the use of our full complement of radio frequencies in order to assure a safe flying environment.

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Please help me continue the safe enjoyment of my pastime by not allowing the FCC carry out its proposals for the 72-76 MHz band.

Sincerely,



Loren Caudill  
202 Tinsley Ct  
Newark DE 19702

